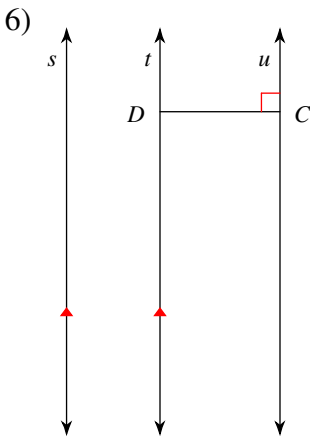
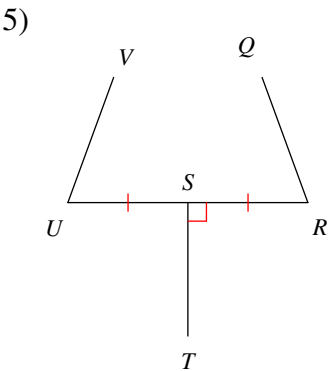
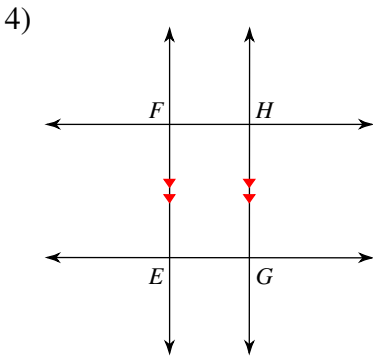
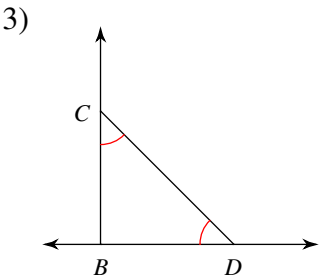
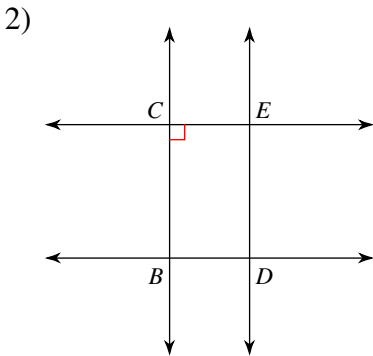
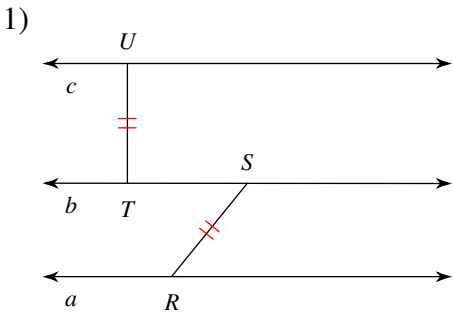
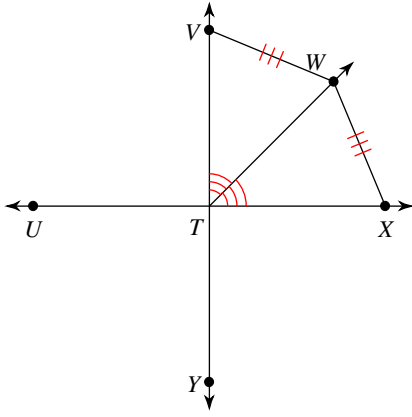


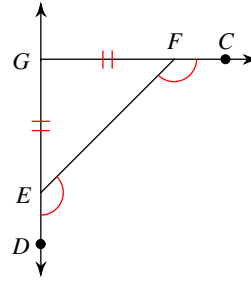
List all information given by the marks on the diagram.



7)

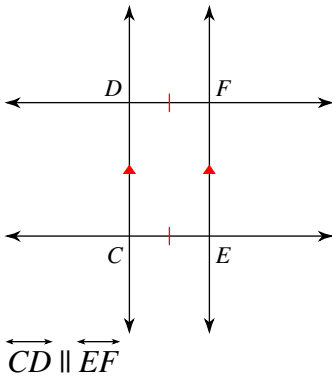


8)

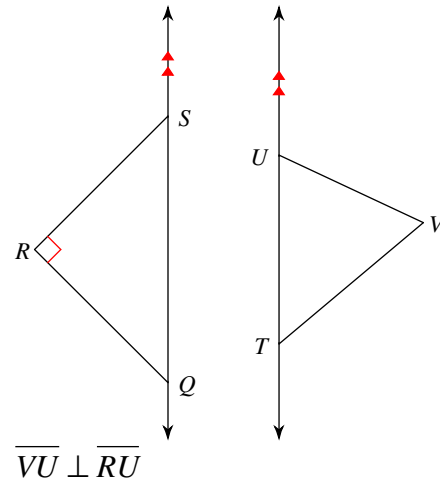


Write if the statement given is indicated by the marks on the diagram.

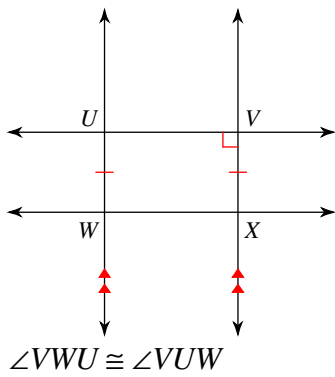
9)



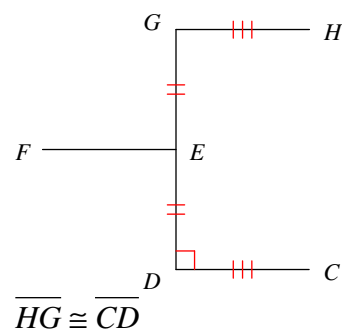
10)



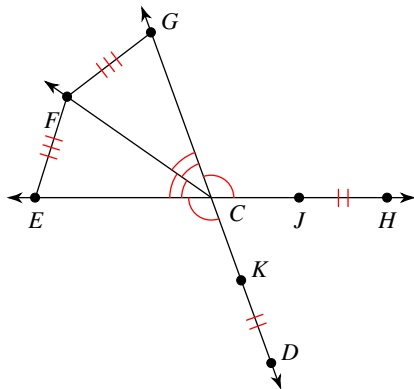
11)



12)

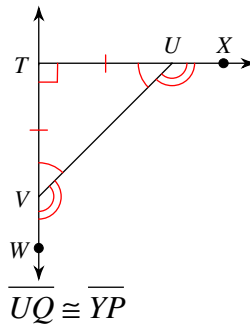


13)



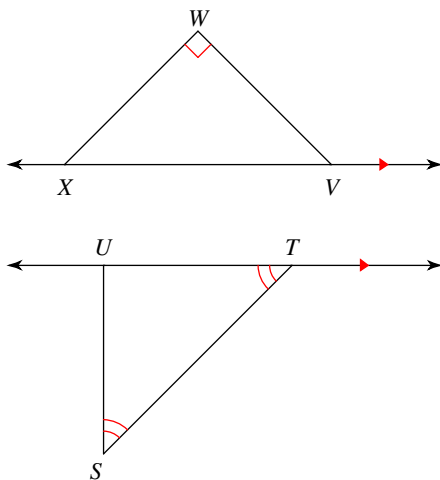
$$\angle DCE \cong \angle HCG$$

14)

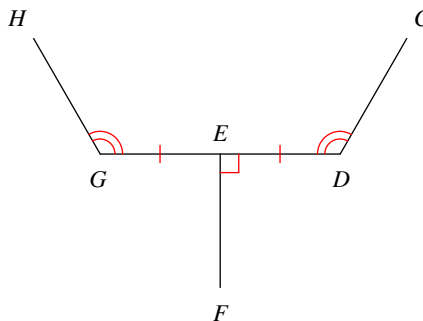


List all information given by the marks on the diagram.

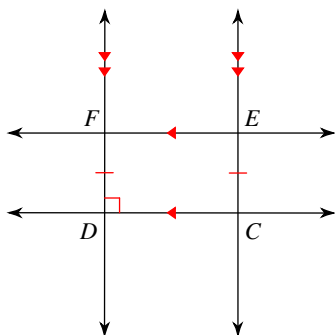
15)



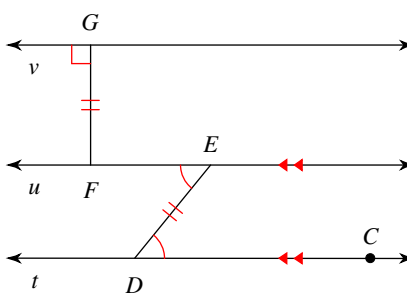
16)



17)



18)



Critical thinking questions:

19) Draw and mark a diagram that contains two congruent line segments and three congruent angles.

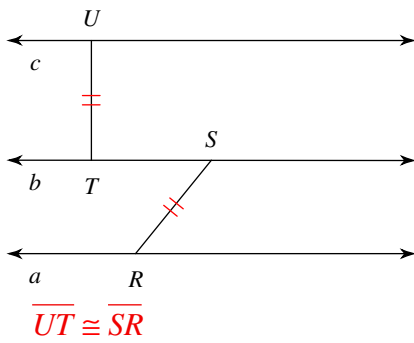
20) Draw and mark a diagram that has two perpendicular lines and four congruent line segments.

Information in Geometric Diagrams

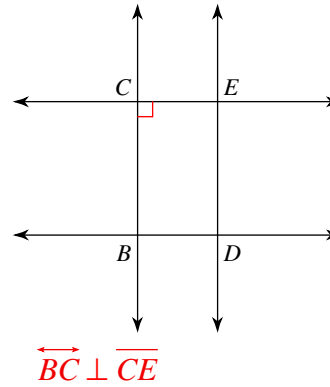
Date _____ Period _____

List all information given by the marks on the diagram.

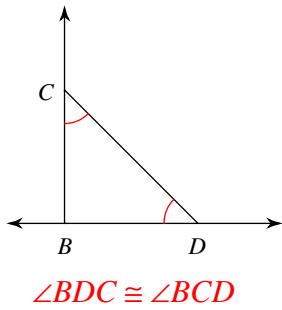
1)



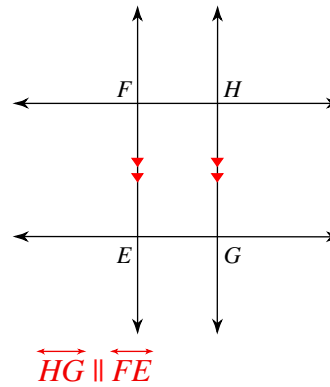
2)



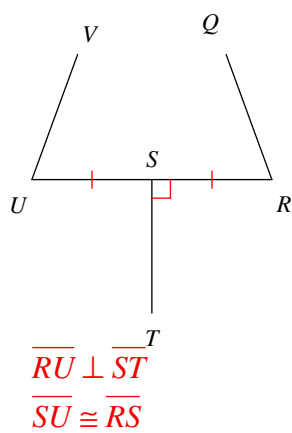
3)



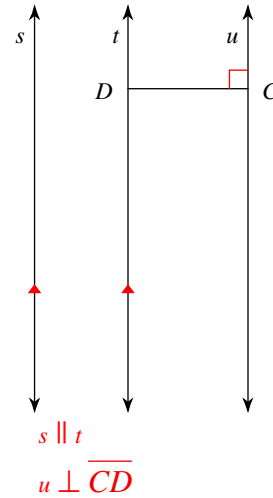
4)



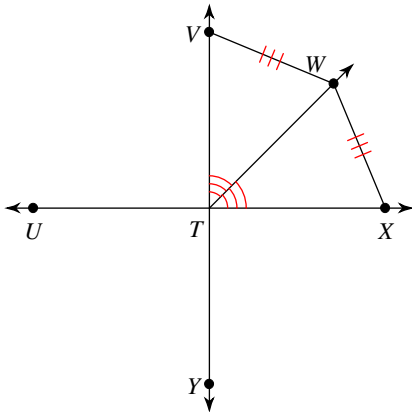
5)



6)



7)

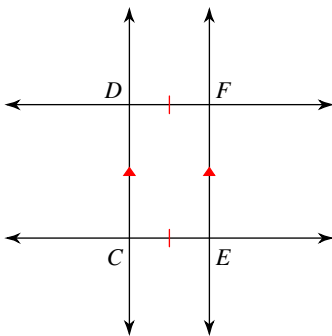


$$\angle VTW \cong \angle WTX$$

$$\overline{WX} \cong \overline{VW}$$

Write if the statement given is indicated by the marks on the diagram.

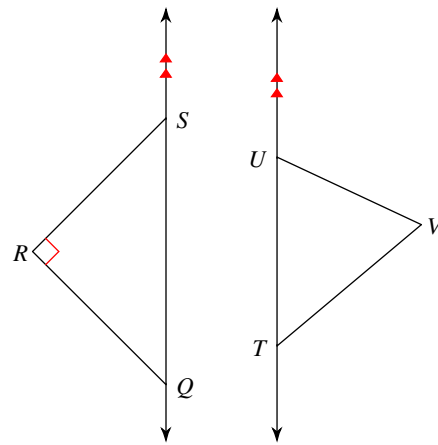
9)



$$\overleftrightarrow{CD} \parallel \overleftrightarrow{EF}$$

Given by the diagram

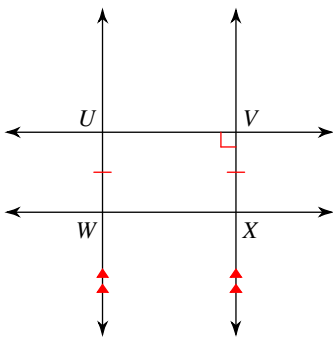
10)



$$\overline{VU} \perp \overline{RU}$$

Not given by the diagram

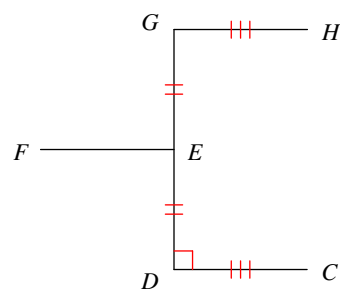
11)



$$\angle VWU \cong \angle VUW$$

Not given by the diagram

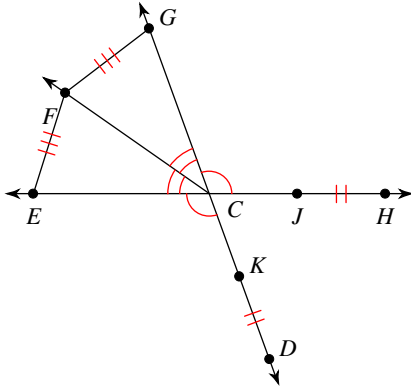
12)



$$\overline{HG} \cong \overline{CD}$$

Given by the diagram

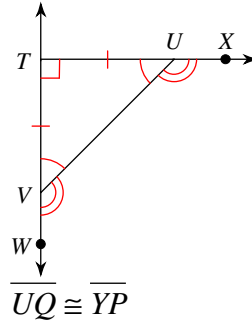
13)



$$\angle DCE \cong \angle HCG$$

Given by the diagram

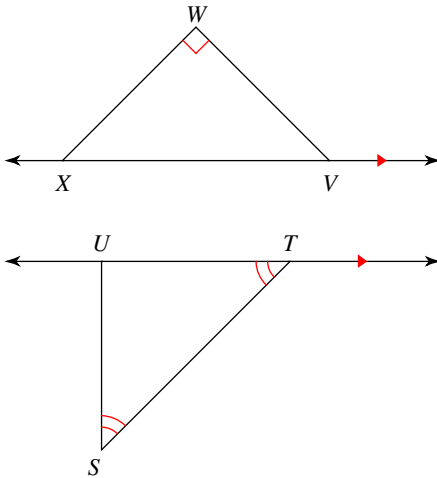
14)



Not given by the diagram

List all information given by the marks on the diagram.

15)

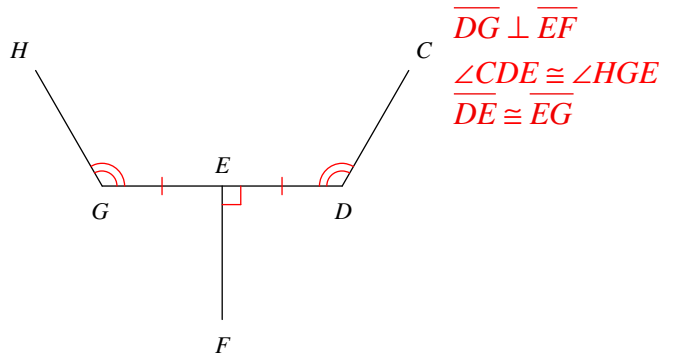


$$\overline{XW} \perp \overline{WV}$$

$$\overline{UT} \parallel \overline{XV}$$

$$\angle UTS \cong \angle UST$$

16)

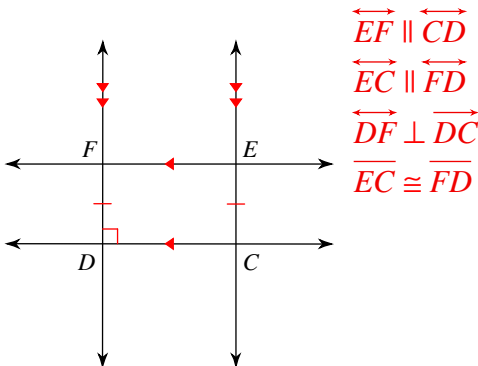


$$\overline{DG} \perp \overline{EF}$$

$$\angle CDE \cong \angle HGE$$

$$\overline{DE} \cong \overline{EG}$$

17)



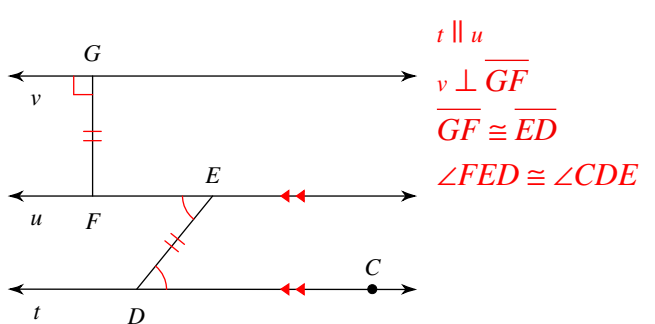
$$\overline{EF} \parallel \overline{CD}$$

$$\overline{EC} \parallel \overline{FD}$$

$$\overline{DF} \perp \overline{DC}$$

$$\overline{EC} \cong \overline{FD}$$

18)



$$t \parallel u$$

$$v \perp \overline{GF}$$

$$\overline{GF} \cong \overline{ED}$$

$$\angle FED \cong \angle CDE$$

Critical thinking questions:

19) Draw and mark a diagram that contains two congruent line segments and three congruent angles.

Many answers

20) Draw and mark a diagram that has two perpendicular lines and four congruent line segments.

Many answers. Ex: A square.